

IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Cancelled)

2. (Currently Amended) Immobilization device ~~according to claim 1, characterized in that it comprises~~ comprising:

an osseous anchoring element (3) provided with a head (8) ~~comprising~~, said head including two vertical elastic walls (9, 10) delimiting a central U shaped opening (11) whose bottom (12) has a part cylindrical profile, each elastic vertical wall (9, 10) being separated from the bottom (12) of the central opening (11) by a vertical slot (50) giving a certain elasticity to each wall ~~in a direction YY'~~, said elastic vertical walls (9, 10) ~~comprising~~ including respectively at each end a profile in the form of a hooking blade (14, 15) disposed facing each other and on opposite sides of the central opening (11), said hooking blades (14, 15) ~~comprising~~ including respectively in their upper portion a snap-in tooth teeth (19, 20), and a blocking element (5) ~~comprising a cylindrical seat (29), a screw threaded bore (30) opening within the seat (29), a tightening screw (31) coacting with the screw threaded bore (30) and lugs (33, 34) which coact respectively with a tooth (19, 20) secured to the elastic blades (14, 15).~~

a blocking element (5) including a seat (29), a screw-threaded bore (30) opening within

the seat (29), a tightening screw (31) coacting with the screw-threaded bore (30) and lugs (33, 34) which coact respectively with said teeth (19, 20), the blocking element having a lower surface (24) including in a direction parallel to an axis the seat (29) having a part cylindrical profile, and an upper surface (23) including in its middle a screw-threaded bore (30) opening within the seat (29) and in which coacts a tightening screw (31), and lateral surfaces (25, 26, 27, 28) parallel two by two and of which at least two of said surfaces (27, 28) are secured respectively to two lugs (33, 34).

3. (Currently Amended) Immobilization device according to claim 2 ~~characterized in that~~ wherein each elastic vertical wall (9, 10) comprises on its internal surface and between the hooking blades (14, 15) a part cylindrical vertical seat (51) having grooves (54) on each side.

4. (Currently Amended) Immobilization device according to claim 2, ~~characterized in that~~wherein the hooking blades (14, 15) of the head (8) ~~comprise respectively in their upper portion a tooth~~teeth (19, 20) ~~whose have a~~ hooking profile (40, 41) ~~is~~ turned inwardly of the central opening (11).

5. (Currently Amended) Immobilization device according to claim 4, ~~characterized in that~~wherein each ~~tooth of said teeth~~ (19, 20) comprises above its hooking portion (40, 41) and in the direction of the opening (11) an inclined external profile (42, 43) prolonged in the outward direction by a convexly rounded profile (44, 45).

6. (Cancelled)

7. (Currently Amended)) Immobilization device according to claim 2, wherein said 6 ~~characterized in that each lateral surface (27, 28) disposed in a plane parallel to the axis XX' of the seat (29) comprises two lugs (33, 34) are~~ in the form of teeth comprising hooking portions (48, 49) separated by a vertical seat (52) bordered laterally by ribs (53).

8. (Currently Amended) Immobilization device according to claim 6 ~~characterized in that~~ 7 wherein the hooking portions (48, 49) are closed opposite the lateral surfaces (25, 26) by means of ~~the a~~ a corresponding one of said vertical ribs (53).

9. (Currently Amended) Immobilization device according to claim 1, ~~characterized in that it comprises: an osseous anchoring element (3) provided with a head (8) comprising two vertical walls (9, 10) delimiting a central opening (11) of U shape whose bottom (12) has a part cylindrical profile~~ 2, wherein, each vertical wall (9, 10) ~~being constituted by~~ includes a central surface (13) bordered laterally and on each side by said elastic blades (14, 15) separated respectively from said central surface by vertical slots (16, 17), ~~said elastic blades (14, 15) comprising respectively in their upper portion a snap in tooth (19, 20) and a blocking element (5) comprising a seat (29) having a part cylindrical profile, a screw threaded bore (30) opening within the seat (29), a tightening screw (31) coacting with the screw threaded bore (30) and lugs (33, 34) which coact respectively with a tooth (19, 20) secured to the elastic blades (14, 15).~~

10. (Currently Amended) Immobilization device according to claim 9, ~~characterized in that~~ wherein the central surface (13) of each vertical wall (9, 10) is pierced by a hole (18) opening

within the central U shaped opening (11).

11. (Currently Amended) Immobilization device according to claim ~~2~~, wherein said teeth~~9~~, characterized in that the elastic blades (14, 15) of the head (8) comprise respectively in their upper portion a tooth (19, 20) have an ~~whose~~ external profile (21, 22) which is convexly rounded and inclined.

12. (Cancelled)

13. (Cancelled)

14. (Currently Amended) Immobilization device according to claim ~~9~~, ~~characterized in that the blocking element (5) has~~ 2, wherein a first pair of ~~opposite~~ said lateral surfaces (25, 26) comprising respectively above the seat (29) an impression (32) adapted to coact with an instrument for the manipulation and emplacement of said blocking element (5) on the osseous anchoring element (3).

15. (Currently Amended) Immobilization device according to claim ~~9~~, ~~characterized in that the blocking element (5) has~~ 9, wherein a second pair of ~~opposite~~ said lateral surfaces (27, 28) ~~which are each secured to two lugs (33, 34) disposed in the width of said blocking element and positioned in prolongation of each lateral surface~~ said first pair of lateral surfaces (25, 26).

16. (Currently Amended) Immobilization device according to claim ~~9~~, ~~characterized in~~

~~that 14, wherein~~ each lug (33, 34) comprises respectively in its upper portion an inclined or beveled flat (35, 36) whose lower base is positioned in the plane containing each of said first paid of lateral surfaces (25, 26).

17. (Currently Amended) Immobilization device according to claim ~~9, characterized in that 16, wherein~~ each lug (33, 34) comprises respectively in its lower portion and opposite the inclined flats (35, 36) a rounded profile (37, 38).

18. (Currently Amended) Immobilization device according to claim ~~9, characterized in that the 2, wherein a~~ distance d separating said two lugs (33, 34) is less than that provided between ~~two~~said teeth (19, 20) ~~of a same vertical wall (9, 10) of the osseous anchoring element (3).~~

19. (Currently Amended) Immobilization device according to claim 9, ~~characterized in that the~~ wherein a pressure force F applied to the blocking element (5) permits by means of said lugs (33, 34) and said vertical slots (16, 17), ~~the a~~ lateral deformation of the elastic blades (14, 15) in the direction of the central surface (13) of each wall (9, 10) of the osseous anchoring element (3).

20. (Currently Amended) Immobilization device comprising: according to claim 1,
~~characterized in that it comprises:~~ an osseous anchoring element (3) provided with a head (8),
said head comprising two truncated vertical walls (9, 10) delimiting a central opening (11) of U
shape whose bottom (12) has a part cylindrical profile, each vertical wall (9, 10) being
constituted by a central surface (13) bordered laterally and on each side by elastic blades (14, 15)
separated respectively from said central surface by vertical slots (16, 17), said elastic blades (14,
15) comprising including respectively in their upper portion a snap-in tooth-teeth (19, 20) and a
blocking element (5) comprising a seat (29) with part cylindrical profile, a screw-threaded bore
(30) opening within said seat (29), a tightening screw (31) coacting with the screw-threaded bore
(30) and lugs (33, 34) which coact respectively with a tooth-the teeth (19, 20), wherein the teeth
(19, 20) have a hooking portion (40, 41) which is turned inwardly of the second opening (39) and
above the central surface (13) of each vertical wall (9, 10), and each of said teeth (19, 20)
comprises above its hooking portion (40, 41) and in the direction of the opening (39), an inclined
external profile (42, 43) prolonged in the outward direction by a convexly curved profile (44,
45). ~~secured to the elastic blades (14, 15).~~

21. (Currently Amended) Immobilization device according to claim 20, wherein
~~characterized in that the head (8) comprises two vertical walls (9, 10) of truncated profile~~
~~disposed one facing the other and in parallel planes so as to delimit a first central opening (11) of~~
U shape is carried by the an axis XX' of the a connecting rod (2) and whose bottom (12) has a
part cylindrical profile, and includes a second opening (39) perpendicular to the axis XX' and to
the first opening (11).

22. (Currently Amended) Immobilization device according to claim 21, ~~characterized in that~~wherein the two perpendicular openings (11, 39) permit delimiting at each point of the head (8) elastic blades (14, 15) adapted to deform elastically under a pressure force F.

23. (Cancelled)

24. (Cancelled)

25. (Currently Amended) Immobilization device according to claim 20, ~~characterized in that~~wherein the blocking element (5) comprises a ~~lower surface (24) comprising in a direction parallel to the axis XX'~~ a seat (29) having a part cylindrical profile so as to coact with the connecting rod (2), an upper surface (23) comprising at its middle a screw threaded bore (30) opening ~~within the seat (29) and in which coacts a tightening screw (31), and lateral surfaces (25, 26, 27, 28) parallel two by two and of which at least two (27, 28) are secured respectively to said~~ two lugs (33, 34) ~~in the form of a tooth.~~

26. (Currently Amended) Immobilization device according to claim 25, ~~characterized in that~~wherein each said lug (33, 34) comprises a hooking portion (48, 49) positioned retracted and at a certain distance d1 from the lateral and opposite two of said lateral surfaces (25, 26) ~~of the blocking element (5).~~